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(54) Title: METHOD AND DEVICE FOR MANIPULATING LIQUIDS IN MICROFLUIDIC SYSTEMS

(57) Abstract: The present invention relates to microfluidic systems having components with specially designed and fabricated areas of enhanced and/or reduced capillarity (flow guides). The methods and devices of the present invention permit the bubble-less dispensing and mixing of small volumes of different liquids for subsequent incubation and/or detection of products of various biological reactions. Thus present invention is well-suited to applications such as polymerase chain reaction and capillary electrophoresis.

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